

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/507,257 A
Source: PCT
Date Processed by STIC: 05/12/2006

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PCT

RAW SEQUENCE LISTING

DATE: 05/12/2006

PATENT APPLICATION: US/10/507,257A

TIME: 08:16:28

Input Set : A:\3170.1006-000 SEQUENCE LISTING.TXT

Output Set : N:\CRF4\05122006\J507257A.raw

4 <110> APPLICANT: Arthur, Jonathan Wesley
 5 Wilkins, Marc
 6 Traini, Mathew Danger
 8 <120> TITLE OF INVENTION: ANNOTATION OF GENOME SEQUENCES
 11 <130> FILE REFERENCE: 3170.1006-000
 13 <140> CURRENT APPLICATION NUMBER: 10/507,257A
 C--> 14 <141> CURRENT FILING DATE: 2004-09-10
 16 <150> PRIOR APPLICATION NUMBER: PCT/AU03/00300
 17 <151> PRIOR FILING DATE: 2003-03-13
 19 <150> PRIOR APPLICATION NUMBER: PS1118
 20 <151> PRIOR FILING DATE: 2002-03-13
 22 <160> NUMBER OF SEQ ID NOS: 96
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 349
 28 <212> TYPE: PRT
 29 <213> ORGANISM: Mycobacterium tuberculosis
 31 <400> SEQUENCE: 1
 32 Gln Ala Val Thr Asn Val Asp Arg Thr Val Arg Ser Val Lys Arg His
 33 1 5 10 15
 34 Met Gly Ser Asp Trp Ser Ile Glu Ile Asp Gly Lys Lys Tyr Thr Ala
 35 20 25 30
 36 Pro Glu Ile Ser Ala Arg Ile Leu Met Lys Leu Lys Arg Asp Ala Glu
 37 35 40 45
 38 Ala Tyr Leu Gly Glu Asp Ile Thr Asp Ala Val Ile Thr Thr Pro Ala
 39 50 55 60
 40 Tyr Phe Asn Asp Ala Gln Arg Gln Ala Thr Lys Asp Ala Gly Gln Ile
 41 65 70 75 80
 42 Ala Gly Leu Asn Val Leu Arg Ile Val Asn Glu Pro Thr Ala Ala Ala
 43 85 90 95
 44 Leu Ala Tyr Gly Leu Asp Lys Gly Glu Lys Glu Gln Arg Ile Leu Val
 45 100 105 110
 46 Phe Asp Leu Gly Gly Gly Thr Phe Asp Val Ser Leu Leu Glu Ile Gly
 47 115 120 125
 48 Glu Gly Val Val Glu Val Arg Ala Thr Ser Gly Asp Asn His Leu Gly
 49 130 135 140
 50 Gly Asp Asp Trp Asp Gln Arg Val Val Asp Trp Leu Val Asp Lys Phe
 51 145 150 155 160
 52 Lys Gly Thr Ser Gly Ile Asp Leu Thr Lys Asp Lys Met Ala Met Gln
 53 165 170 175
 54 Arg Leu Arg Glu Ala Ala Glu Lys Ala Lys Ile Glu Leu Ser Ser Ser
 55 180 185 190
 56 Gln Ser Thr Ser Ile Asn Leu Pro Tyr Ile Thr Val Asp Ala Asp Lys

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57          195          200          205
58 Asn Pro Leu Phe Leu Asp Glu Gln Leu Thr Arg Ala Glu Phe Gln Arg
59      210          215          220
60 Ile Thr Gln Asp Leu Leu Asp Arg Thr Arg Lys Pro Phe Gln Ser Val
61 225          230          235          240
62 Ile Ala Asp Thr Gly Ile Ser Val Ser Glu Ile Asp His Val Val Leu
63          245          250          255
64 Val Gly Gly Ser Thr Arg Met Pro Ala Val Thr Asp Leu Val Lys Glu
65          260          265          270
66 Leu Thr Gly Gly Lys Glu Pro Asn Lys Gly Val Asn Pro Asp Glu Val
67          275          280          285
68 Val Ala Val Gly Ala Ala Leu Gln Ala Gly Val Leu Lys Gly Glu Val
69          290          295          300
70 Lys Asp Val Leu Leu Leu Asp Val Thr Pro Leu Ser Leu Gly Ile Glu
71 305          310          315          320
72 Thr Lys Gly Gly Val Met Thr Arg Leu Ile Glu Arg Asn Thr Thr Ile
73          325          330          335
74 Pro Thr Lys Arg Ser Glu Thr Phe Thr Thr Ala Asp Asp
75          340          345
78 <210> SEQ ID NO: 2
79 <211> LENGTH: 8
80 <212> TYPE: PRT
81 <213> ORGANISM: Mycobacterium tuberculosis
83 <400> SEQUENCE: 2
84 Ile Thr Gln Asp Leu Leu Asp Arg
85 1          5
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 8
90 <212> TYPE: PRT
91 <213> ORGANISM: Mycobacterium tuberculosis
93 <400> SEQUENCE: 3
94 Val Val Asp Trp Leu Val Asp Lys
95 1          5
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 9
100 <212> TYPE: PRT
101 <213> ORGANISM: Mycobacterium tuberculosis
103 <400> SEQUENCE: 4
104 Met Pro Ala Val Thr Asp Leu Val Lys
105 1          5
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 9
110 <212> TYPE: PRT
111 <213> ORGANISM: Mycobacterium tuberculosis
113 <400> SEQUENCE: 5
114 Tyr Thr Ala Pro Glu Ile Ser Ala Arg
115 1          5
118 <210> SEQ ID NO: 6
119 <211> LENGTH: 12

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120 <212> TYPE: PRT
121 <213> ORGANISM: Mycobacterium tuberculosis
123 <400> SEQUENCE: 6
124 Asp Ala Gly Gln Ile Ala Gly Leu Asn Val Leu Arg
125 1 5 10
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 11
130 <212> TYPE: PRT
131 <213> ORGANISM: Mycobacterium tuberculosis
133 <400> SEQUENCE: 7
134 Asn Pro Leu Phe Leu Asp Glu Gln Leu Thr Arg
135 1 5 10
138 <210> SEQ ID NO: 8
139 <211> LENGTH: 13
140 <212> TYPE: PRT
141 <213> ORGANISM: Mycobacterium tuberculosis
143 <400> SEQUENCE: 8
144 His Met Gly Ser Asp Trp Ser Ile Glu Ile Asp Gly Lys
145 1 5 10
148 <210> SEQ ID NO: 9
149 <211> LENGTH: 13
150 <212> TYPE: PRT
151 <213> ORGANISM: Mycobacterium tuberculosis
153 <400> SEQUENCE: 9
154 His Met Gly Ser Asp Trp Ser Ile Glu Ile Asp Gly Lys
155 1 5 10
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 16
160 <212> TYPE: PRT
161 <213> ORGANISM: Mycobacterium tuberculosis
163 <400> SEQUENCE: 10
164 Ile Val Asn Glu Pro Thr Ala Ala Ala Leu Ala Tyr Gly Leu Asp Lys
165 1 5 10 15
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 16
170 <212> TYPE: PRT
171 <213> ORGANISM: Mycobacterium tuberculosis
173 <400> SEQUENCE: 11
174 Ala Thr Ser Gly Asp Asn His Leu Gly Gly Asp Asp Trp Asp Gln Arg
175 1 5 10 15
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 17
180 <212> TYPE: PRT
181 <213> ORGANISM: Mycobacterium tuberculosis
183 <400> SEQUENCE: 12
184 Asp Val Leu Leu Leu Asp Val Thr Pro Leu Ser Leu Gly Ile Glu Thr
185 1 5 10 15
186 Lys
190 <210> SEQ ID NO: 13

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Input Set : A:\3170.1006-000 SEQUENCE LISTING.TXT

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191 <211> LENGTH: 20
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193 <213> ORGANISM: Mycobacterium tuberculosis
195 <400> SEQUENCE: 13
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197 1          5          10          15
198 Gly Val Leu Lys
199          20
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 51
204 <212> TYPE: PRT
205 <213> ORGANISM: Mycobacterium tuberculosis
207 <400> SEQUENCE: 14
208 Ala Arg Ala Gly His Thr Ala Leu Arg Arg Gly Gly Pro Asp Val Ala
209 1          5          10          15
210 Asp Pro Gln Ser Pro Ala Met His Arg Gln Arg Gly Asp Asp Arg Gly
211          20          25          30
212 Val Arg Arg Ala Ala Gly Gly Arg Gly Ser Ala Ala Val Ala Ala Gly
213          35          40          45
214 Arg Ala Gln
215          50
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 36
220 <212> TYPE: PRT
221 <213> ORGANISM: Mycobacterium tuberculosis
223 <400> SEQUENCE: 15
224 Pro Gly Ser Ala Arg Asp Ala Gly Ala Gly Ala Val Thr Arg Leu Thr
225 1          5          10          15
226 Leu His Leu Ala Tyr Pro Asp Thr Leu Ala Thr Arg Lys Gln Gly Gly
227          20          25          30
228 Ala Leu Glu Cys
229          35
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 4
234 <212> TYPE: PRT
235 <213> ORGANISM: Mycobacterium tuberculosis
237 <400> SEQUENCE: 16
238 His Ser His-Val
239 1
242 <210> SEQ ID NO: 17
243 <211> LENGTH: 51
244 <212> TYPE: PRT
245 <213> ORGANISM: Mycobacterium tuberculosis
247 <400> SEQUENCE: 17
248 Ser Ala Arg Trp Gln Ser Ala Asn Pro Cys Val Gly Thr Arg Asp Asp
249 1          5          10          15
250 Gly Ala Arg Ala Arg Thr Asn Ala Glu Ser Pro Gly Asn Ser Asp Gly
251          20          25          30
252 Ser Gly Ala Arg Pro Gly Pro Thr Ala Asn Ser Gly Pro Gly Glu Arg

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253          35          40          45
254 Pro Gly Leu
255          50
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 2
260 <212> TYPE: PRT
261 <213> ORGANISM: Mycobacterium tuberculosis
263 <400> SEQUENCE: 18
264 Ser Lys
265 1
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 105
270 <212> TYPE: PRT
271 <213> ORGANISM: Mycobacterium tuberculosis
273 <400> SEQUENCE: 19
274 Trp Arg Ala Pro Ile Val Ala Lys Val Asn Ile Lys Pro Leu Glu Asp
275 1          5          10          15
276 Lys Ile Leu Val Gln Ala Asn Glu Ala Glu Thr Thr Thr Ala Ser Gly
277          20          25          30
278 Leu Val Ile Pro Asp Thr Ala Lys Glu Lys Pro Gln Glu Gly Thr Val
279          35          40          45
280 Val Ala Val Gly Pro Gly Arg Trp Asp Glu Asp Gly Glu Lys Arg Ile
281          50          55          60
282 Pro Leu Asp Val Ala Glu Gly Asp Thr Val Ile Tyr Ser Lys Tyr Gly
283 65          70          75          80
284 Gly Thr Glu Ile Lys Tyr Asn Gly Glu Glu Tyr Leu Ile Leu Ser Ala
285          85          90          95
286 Arg Asp Val Leu Ala Val Val Ser Lys
287          100          105
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 13
292 <212> TYPE: PRT
293 <213> ORGANISM: Mycobacterium tuberculosis
295 <400> SEQUENCE: 20
296 Ser Val Phe Arg Pro Gly Asp Pro Arg Ala His His Gly
297 1          5          10
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 9
302 <212> TYPE: PRT
303 <213> ORGANISM: Mycobacterium tuberculosis
305 <400> SEQUENCE: 21
306 Phe Pro Gly Arg His Ala Leu Ala Asp
307 1          5
310 <210> SEQ ID NO: 22
311 <211> LENGTH: 63
312 <212> TYPE: PRT
313 <213> ORGANISM: Mycobacterium tuberculosis
315 <400> SEQUENCE: 22
316 Pro Cys Val Glu Glu Pro Asp Glu Gln Ala Asp Arg Ile Arg Arg Asn

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VERIFICATION SUMMARY

DATE: 05/12/2006

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Output Set: N:\CRF4\05122006\J507257A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date